

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	IN SITU THERMAL PROCESSING OF A COAL FORMATION PRODUCING A MIXTURE WITH OXYGENATED HYDROCARBONS
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Application Number: 09/841129 \*09/841129\*

Confirmation Number: 5749

First Named Applicant: Scott Wellington

Attorney Docket Number: 5659-06800

Examiner: unknown unknown

Search string: ( 3986556 or 4031956 or 4140180 or 4412585 or 4501326 or 4524827 or 4585066 or 4776638 or 4856587 or 5517593 or 5099918 or 5751895 or 6015015 or 6112808 ).pn.

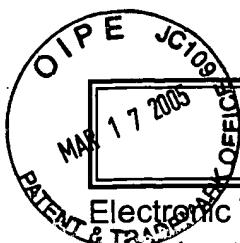
## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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	1	3986556	1976-10-19	Haynes			
	2	4031956	1977-06-28	Terry			
	3	4140180	1979-02-20	Bridges et al.			
	4	4412585	1983-11-01	Bouck			
	5	4501326	1985-02-26	Edmunds			
	6	4524827	1985-06-25	Bridges et al.			
	7	4585066	1986-04-29	Moore et al.			
	8	4776638	1988-10-11	Hahn			
	9	4856587	1989-08-15	Nielson			
	10	5517593	1996-05-14	Nenniger et al.			
	11	5099918	1992-03-31	Bridges et al.			
	12	5751895	1998-05-12	Bridges			
	13	6015015	2000-01-18	Luft et al.			
	14	6112808	2000-09-05	Isted			

Signature

<b>Examiner Name</b>	<b>Date</b>



UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1  
Stylesheet Version v1.1.1

Title of Invention	IN SITU THERMAL PROCESSING OF A COAL FORMATION PRODUCING A MIXTURE WITH OXYGENATED HYDROCARBONS																									
Submission Type:	Information Disclosure Statement																									
Application Number:	09/841129	*09/841129*																								
EFS ID:	41326																									
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First Named Applicant:	Scott Wellington																									
Attorney Docket Number:	5659-06800																									
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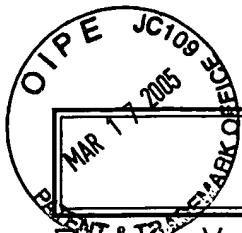
MAR 17 2005  
SEARCHED  
INDEXED  
SERIALIZED  
FILED  
U.S. PATENT AND TRADEMARK OFFICE

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Electronic Version v18

Stylesheet Version v18.0

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Application Number:		09/841129	*09/841129*					
Confirmation Number:		5749						
First Named Applicant:		Scott Wellington						
Attorney Docket Number:		5659-06800						
Art Unit:		1764						
Examiner:		Marian C. Knodel						
Search string:		( 3285335 or 3456721 ).pn.						
<b>US Patent Documents</b>								
Note: Applicant is not required to submit a paper copy of cited US Patent Documents								
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	1	3285335	1966-11-15	Reistle				
	2	3456721	1969-07-22	Smith				
<b>Signature</b>								
Examiner Name					Date			



UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of Invention	IN SITU THERMAL PROCESSING OF A COAL FORMATION PRODUCING A MIXTURE WITH OXYGENATED HYDROCARBONS
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Submission Type: Information Disclosure Statement

Application Number: 09/841129 \*09/841129\*

EFS ID: 42313

Server Response:

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First Named Applicant: Scott Wellington

Attorney Docket Number: 5659-06800

Timestamp: 2003-06-23 18:55:57 EDT

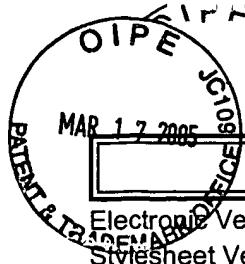
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Digital Certificate Holder  
Name: cn=Eric B. Meyertons,ou=Registered  
Attorneys,ou=Patent and Trademark  
Office,ou=Department of Commerce,o=U.S.



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Stylesheet Version v18.0

### Title of Invention

IN SITU THERMAL PROCESSING OF A COAL FORMATION PRODUCING A MIXTURE WITH OXYGENATED HYDROCARBONS

Application Number: 09/841129 \*09/841129\*

Confirmation Number: 5749

First Named Applicant: Scott Wellington

Attorney Docket Number: 5659-06800

Art Unit: 1764

Examiner: Glenn A. Caldarola

Search string: ( 3947656 ).pn.

### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3947656	1976-03-30	Lodi			

### Signature

Examiner Name

Date



MAR 17 2005

UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPTElectronic Version 1.1  
Stylesheet Version v1.1.1

Title of Invention	Title IN SITU THERMAL PROCESSING OF A COAL FORMATION TO PRODUCE A MIXTURE OF OLEFINS, OXYGENATED HYDROCARBONS, AND AROMATIC HYDROCARBONS																									
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Electronic Version v18

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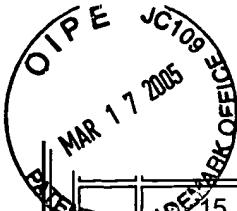
Title of Invention	IN SITU THERMAL PROCESSING OF A COAL FORMATION PRODUCING A MIXTURE WITH OXYGENATED HYDROCARBONS
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Application Number: 09/841129 \*09/841129\*  
Confirmation Number: 5749  
First Named Applicant: Scott Wellington  
Attorney Docket Number: 5659-06800  
Art Unit: 1764  
Examiner: Thuan D. Dang  
Search string: ( 3032102 or 3079085 or 3454365 or 4260018 or 4683947 or 5055180 or 5626191 or 6353706 or 6467543 or 6499536 or 4734115 or 3170842 or 3618663 or 4018280 or 4698149 or 5539853 or 3691291 ).pn.

### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3032102	1962-05-01	Parker			
	2	3079085	1991-01-08	Clark, Jr. et al.			
	3	3454365	1969-07-08	Lumpkin et al.			
	4	4260018	1981-04-07	Shum et al.			
	5	4683947	1987-08-04	Fernbacher et al.			
	6	5055180	1991-10-08	Klaila			
	7	5626191	1997-05-06	Greaves et al.			
	8	6353706	2002-03-05	Bridges			
	9	6467543	2002-10-22	Talwani et al.			
	10	6499536	2002-12-31	Ellingsen			
	11	4734115	1998-03-29	Howard et al.			
	12	3170842	1965-02-23	Kehler			
	13	3618663	1971-11-09	Needham			
	14	4018280	1977-04-19	Daviduk et al.			



15	4698149	1987-10-06	Mitchell
16	5539853	1996-07-23	Jamaluddin et al.
17	3691291	1972-09-12	Taj

**Signature**

Examiner Name	Date

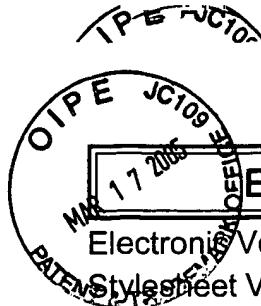
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MAR 17 2005  
PATENT & TRADEMARK OFFICE

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ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of Invention	IN SITU THERMAL PROCESSING OF A COAL FORMATION PRODUCING A MIXTURE WITH OXYGENATED HYDROCARBONS																									
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Confirmation Number: 5749  
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Attorney Docket Number: 5659-06800  
Art Unit: 1764  
Examiner: T. D. Dang  
Search string: ( 3948755 or 4605489 or 4623444 or 4885080 or 5059303 or 6110358 or 20020004533 or 20020112987 ).pn.

### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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	1	3948755	1976-04-06	McCollum et al.			
	2	4605489	1986-08-12	Madgavkar			
	3	4623444	1986-11-18	Che et al.			
	4	4885080	1989-12-05	Brown et al.			
	5	5059303	1991-10-22	Taylor et al.			
	6	6110358	2000-08-29	Aldous et al.			

### US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20020004533	2002-01-10	Wallace et al.			
	2	20020112987	2002-08-22	Hou et al.			

Signature

Examiner Name	Date





UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT

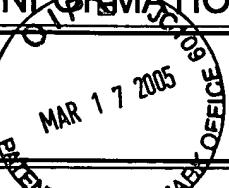
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Attorney Docket Number:	5659-06800																									
Timestamp:	2004-09-28 12:24:23 EDT																									
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Stylesheet Version v18.0



Title of Invention	IN SITU THERMAL PROCESSING OF A COAL FORMATION PRODUCING A MIXTURE WITH OXYGENATED HYDROCARBONS
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Confirmation Number: 5749

First Named Applicant: Scott Wellington

Attorney Docket Number: 5659-06800

Art Unit: 1764

Examiner: J. D. Johnson

Search string: ( 3017168 or 3434541 or 4598772 or 5456315 or 6789625 or 6782947 ).pn.

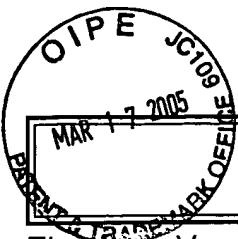
## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	3017168	1962-01-16	Carr			
	2	3434541	1969-03-25	Cook et al.			
	3	4598772	1986-07-08	Holmes			
	4	5456315	1995-10-10	Kisman et al.			
	5	6789625	2004-09-14	de Rouffignac et al.			
	6	6782947	2004-08-31	de Rouffignac et al.			

## Signature

Examiner Name	Date



UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of Invention	IN SITU THERMAL PROCESSING OF A COAL FORMATION PRODUCING A MIXTURE WITH OXYGENATED HYDROCARBONS																									
Submission Type:	Information Disclosure Statement																									
Application Number:	09/841129	*09/841129*																								
EFS ID:	71589																									
Server Response:	<table border="1"><thead><tr><th>Confirmation Code</th><th>Message</th></tr></thead><tbody><tr><td>ISVR1</td><td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td></tr><tr><td>ICON1</td><td>5749</td></tr><tr><td>USPTOEFSNotice</td><td>For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a></td></tr></tbody></table>		Confirmation Code	Message	ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application	ICON1	5749	USPTOEFSNotice	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a>																
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Attorney Docket Number:	5659-06800																									
Timestamp:	2004-11-01 11:43:50 EDT																									
From:	us																									
File Listing:	<table border="1"><thead><tr><th>Doc. Name</th><th>File Name</th><th>Size (Bytes)</th></tr></thead><tbody><tr><td>us-ids</td><td>el718-el721-usidst.xml</td><td>1772</td></tr><tr><td>us-ids</td><td>us-ids.dtd</td><td>7763</td></tr><tr><td>us-ids</td><td>us-ids.xsl</td><td>12026</td></tr><tr><td>package-data</td><td>el718-el721-pkda.xml</td><td>1778</td></tr><tr><td>package-data</td><td>package-data.dtd</td><td>27025</td></tr><tr><td>package-data</td><td>us-package-data.xsl</td><td>19263</td></tr><tr><td></td><td>Total files size</td><td>69627</td></tr></tbody></table>		Doc. Name	File Name	Size (Bytes)	us-ids	el718-el721-usidst.xml	1772	us-ids	us-ids.dtd	7763	us-ids	us-ids.xsl	12026	package-data	el718-el721-pkda.xml	1778	package-data	package-data.dtd	27025	package-data	us-package-data.xsl	19263		Total files size	69627
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ATTY. DKT. NO. 5659-06800/1993

SERIAL NO. 09/841,129

APPLICANT: Wellington, et al.

GROUP: 3672

FILING DATE: April 24, 2001

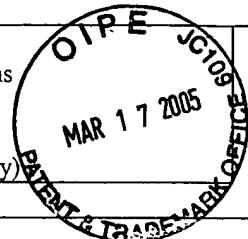
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	A1	760,304	05/1904	Butler			
	A2	1,342,741	06/1920	Day			
	A3	1,510,655	10/1924	Clark			
	A4	1,666,488	02/1927	Crawshaw			
	A5	1,913,395	11/1929	Kartick			
	A6	2,423,674	07/1947	Agren			
	A7	2,444,755	07/1948	Steffen			
	A8	2,466,945	02/1946	Greene			
	A9	2,472,445	06/1949	Sprong			
	A10	2,484,063	10/1949	Ackley			
	A11	2,497,868	02/1950	Dalin			
	A12	2,548,360	04/1951	Germain			
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	A17	2,642,943	06/1953	Smith et al.			
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	A26	2,789,805	04/1957	Ljungstrom			
	A27	2,804,149	08/1957	Kile			
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	A29	2,902,270	09/1959	Salomonsson et al.			
	A30	2,906,337	09/1959	Henning			

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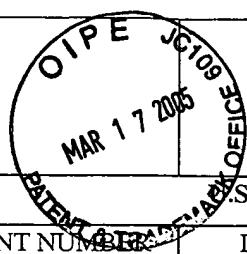
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	A31	2,914,309	11/1959	Salomonsson			
	A32	2,923,535	02/1960	Ljungstrom			
	A33	2,939,689	06/1960	Ljungstrom			
	A34	2,954,826	10/1960	Sievers			
	A35	2,974,937	03/1961	Kiel			
	A36	2,994,376	08/1961	Crawford et al.			
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	A38	3,004,603	10/1961	Rogers et al.			
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	A55	3,205,946	10/1965	Prats et al.			
	A56	3,207,220	10/1965	Williams			
	A57	3,208,531	10/1965	Tamplen			
	A58	3,209,825	10/1965	Alexander et al.			

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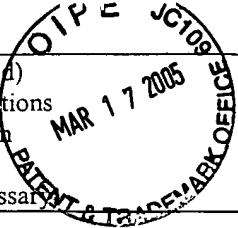
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	A59	3,237,689	03/1966	Justheim			
	A60	3,241,611	03/1966	Dougan			
	A61	3,250,327	05/1966	Crider			
	A62	3,267,680	08/1966	Schlumberger			
	A63	3,284,281	11/1966	Thomas			
	A64	3,338,306	08/1967	Cook			
	A65	3,528,501	09/1970	Parker			
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	A73	4,093,026	06/1978	Ridley			
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	A85	4,359,687	11/1982	Vinegar et al.			
	A86	4,363,361	12/1982	Madgavkar et al.			
	A87	4,366,668	01/1983	Madgavkar et al.			
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APPLICANT: Wellington, et al.

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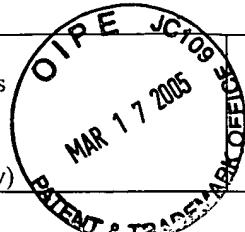
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	A89	4,381,641	05/1983	Madgavkar et al.			
	A90	4,398,151	08/1983	Vinegar et al.			
	A91	4,407,973	10/1983	van Dijk et al.			
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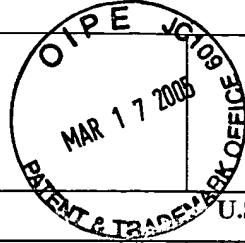
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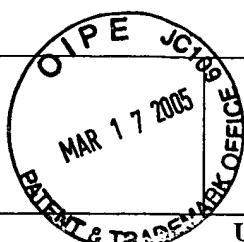
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	A151	5,297,626	03/1994	Vinegar et al.			
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	A180	5,656,239	08/1997	Stegemeier et al.			
	A181	5,676,212	10/1997	Kuckes			
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	A203	Re. 35,696	12/1997	Mikus			

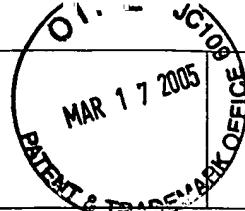
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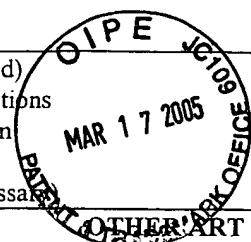
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ATTY. DKT. NO. 5659-06800/ 1993

APPLICANT: Wellington, et al.

FILING DATE: April 24, 2001

SERIAL NO. 09/841,129

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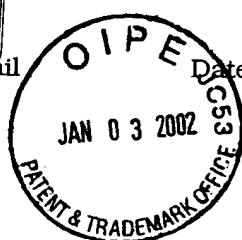
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Inventor(s): Wellington, et al.  
Serial No.: 09/841,129  
Filing Date: April 24, 2001  
Title: IN SITU THERMAL PROCESSING OF A COAL FORMATION  
PRODUCING A MIXTURE WITH OXYGENATED HYDROCARBONS  
Atty. Docket No.: 5659-06800

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